

BHT 11/29/09

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	31	("20020027487"   "20020140533"   "20020160549"   "20030038703"   "20030102771"   "20030137389"   "20040061579"   "20050206243"   "20050219016"   "20060131150"   "4423401"   "5635750"   "5905241"   "6091050"   "6115231"   "6153839"   "6236300"   "6239685"   "6489857"   "6657525"   "6703916"   "6720851"   "6768412"   "6806545"   "6812820"   "6876482"   "6924966"   "7230513"   "7283023"   "7372348"   "7420444").PN.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 14:32
S2	1	337/85.ccls. (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 14:40
S3	0	337/12.ccls. (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 14:44
S4	0	337/14.ccls. (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 14:44
S5	1	337/16.ccls. (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 14:44

S6	0	337/27.ccls. (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 14:44
S7	1	337/141.ccls. (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 14:44
S8	11	("20030006125"   "20030029705"   "20040012062"   "5536963"   "5619061"   "6188301"   "6239685"   "6703916"   "6762667"   "6768412"   "7283030").PN. OR ("7489228").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 14:45
S9	3	337/139.ccls. (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 14:46
S10	0	337/393.ccls. (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 14:46
S11	61	200/181.ccls. (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 14:46
S12	15	60/527-529.ccls. (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 14:47
S13	24	("20030054584"   "20040188785"   "20050130339"   "20050260792"   "5121089"   "5258591"   "5578976"   "5629565"   "5638946"   "6046659"   "6096149"   "6331257"   "6402969"   "6404028"   "6621392"   "6667245"   "6720267"   "6800503"   "6803559"   "6842097"   "6861277"   "6951768"   "7026695"	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 14:51

		"7057251").PN. OR ("7545234").URPN.				
S14	19	("20020018334"   "20040032705"   "4423294"   "4743722"   "5619061"   "5652559"   "5665997"   "6100477"   "6229683"   "6452124"   "6657525"   "6764872"   "6787438"   "6791441"   "6803534"   "6812814").PN. OR ("7002441").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 14:53
S15	22	("20020018334"   "4423294"   "4743722"   "5619061"   "5652559"   "5665997"   "6100477"   "6162657"   "6229683"   "6452124").PN. OR ("6803534").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 14:53
S16	24	("5880921"   "6133807"   "6426687"   "6440767"   "6472962").PN. OR ("6621387").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 14:54
S17	35	("5121089"   "5541614"   "5638946"   "6054659"   "6057520").PN. OR ("6396368").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 14:55
S18	40	("5635739"   "5929497"   "6100477"   "6143997"   "6307452"   "6331257"   "6373007").PN. OR ("6657525").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 15:04
S19	11	("20030025580"   "20040032000"   "20040056320"   "4480162"   "6115231"   "6229684"   "6657525"   "6750745"   "6876482").PN. OR ("7362199").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 15:06

S20	98	("4598181"   "5258591"   "5367136"   "5383364"   "5473945"   "5578976").PN. OR ("6100477").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 15:21
S21	12	"337"/\$.ccls. ((MEMS or micro) switch electrostatic hold actuat \$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 15:27
S22	69	"200"/\$.ccls. ((MEMS or micro) switch electrostatic hold actuat \$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 15:28
S23	13	"60"/\$.ccls. ((MEMS or micro) switch electrostatic hold actuat \$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 15:30
S24	2327	((MEMS or micro) switch electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 15:31
S25	2005	S24 contact	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 15:31
S26	328	S25 (pad with substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 15:31
S27	287	S26 (flex\$4 or bend or bent)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 15:32
S28	27	S27 ((arm or beam) with (attach or fix or secur\$4) with substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 15:32
S29	1	(11/050482).APP.	USPAT; USOCR	AND	ON	2009/11/28 16:17
S30	1	(10/015636).APP.	USPAT; USOCR	AND	ON	2009/11/28 16:17
S31	63	(Robert near2 Philippe). in.	USPAT; USOCR	AND	ON	2009/11/28 16:18

S32	2903	(Commissariat near4 Atomique).as.	USPAT; USOCR	AND	ON	2009/11/28 16:18
S33	3	S31 (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 16:19
S34	6	("20020135440"   "20030099082"   "6034414"   "6229684"   "6507475").PN. OR ("7031137").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 16:19
S35	56	335/78.ccls. (electrostatic hold actuat\$3 (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 16:28
S36	6	("20020027487"   "6115231"   "6608268"   "6720851"   "7053736").PN. OR ("7283023").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 16:35
S37	21	("4806815"   "5029805"   "5058856"   "5061914"   "5182910"   "5325880"   "5536963"   "5619061"   "5619177"   "5635750"   "5638946"   "5681024"   "5796152"   "6236300"   "6239685").PN. OR ("6812820").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 16:38
S38	9	("20020145493"   "6307452"   "6486425").PN. OR ("6806545").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 16:47
S39	37	("2798130"   "4826131"   "5058856"   "5065978"   "5164558"   "5325880"   "5452878"   "5463233"   "5467068"   "5536963"   "5650568"   "5681024"   "5771321"   "6100477"   "6143583"   "6182941"   "6188301"   "6239685"   "6355534"   "6359374"   "6391675"   "6504447"	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 16:51

		"6561224").PN. OR ("6768412").URPN.				
S40	31	("20030230403"   "3225820"   "3430455"   "3519067"   "3531752"   "3643734"   "4092697"   "4129881"   "4212346"   "4254431"   "4742867"   "4770004"   "4858678"   "5170930"   "5379601"   "5459352"   "5808874"   "6191944"   "6276144"   "6281573"   "6305174"   "6351952"   "6392890"   "6437240"   "6665186"   "6768412"   "7154369").PN. OR ("7411792").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 16:59
S41	58	("2942077"   "4315114"   "4480162"   "4570139"   "4868448"   "4959515"   "5544001"   "5638946").PN. OR ("6153839").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/28 17:01
S42	59	"337"/\$.ccls. (((resist \$4 or heat\$3) with (acut\$3 or deflect\$3 or bend or flex\$4)) (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 17:17
S43	85	"337"/\$.ccls. (((resist \$4 or heat\$3) with (actuat\$3 or deflect\$3 or bend or flex\$4)) (arm or beam) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 17:18
S44	79	S43 contact	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 17:18
S45	78	S43 switch	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 17:22

S46	59	"200"/\$.ccls. (micro ((resist\$4 or heat\$3) with (actuat\$3 or deflect\$3 or bend or flex\$4)) ((flex\$4 or bent or bend or deflect \$3) with (arm or beam)) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 17:29
S47	51	S46 switch	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 17:30
S48	26	"60"/\$.ccls. (micro switch ((resist\$4 or heat\$3) with (actuat\$3 or deflect\$3 or bend or flex\$4)) ((flex\$4 or bent or bend or deflect \$3) with (arm or beam)) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 17:31
S49	89	((electrostatic with (fix or secur\$4 or hold\$3 or held)) micro switch ((resist\$4 or heat\$3) with (actuat\$3 or deflect\$3 or bend or flex\$4)) ((flex\$4 or bent or bend or deflect \$3) with (arm or beam)) substrate)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 17:32
S50	47	S49 mems	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/28 17:33
S51	21	("4806815"   "5029805"   "5058856"   "5061914"   "5182910"   "5325880"   "5536963"   "5619061"   "5619177"   "5635750"   "5638946"   "5681024"   "5796152"   "6236300"   "6239685").PN. OR ("6812820").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/29 09:40
S52	1	(10/015636).APP.	US-PGPUB; USOCR	AND	ON	2009/11/29 09:42

S53	64	(US-20060131150-\$ or US-20050219016-\$ or US-20050206243-\$ or US-20040061579-\$ or US-20030137389-\$ or US-20030102771-\$ or US-20030038703-\$ or US-20020160549-\$ or US-20020140533-\$ or US-20020027487-\$ or US-20070215447-\$ or US-20050183938-\$ or US-20030085109-\$ or US-20020018334-\$ or US-20040032705-\$ or US-20020145493-\$ or US-20030034870-\$ or US-20020097133-\$). did. or (US-7420444-\$ or US-7372348-\$ or US-7283023-\$ or US- 7230513-\$ or US- 6924966-\$ or US- 6876482-\$ or US- 6812820-\$ or US- 6806545-\$ or US- 6768412-\$ or US- 6720851-\$ or US- 6703916-\$ or US- 6657525-\$ or US- 6489857-\$ or US- 6239685-\$ or US- 6236300-\$ or US- 6153839-\$ or US- 6115231-\$ or US- 6091050-\$ or US- 5905241-\$ or US- 5635750-\$ or US- 4423401-\$ or US- 6664885-\$ or US- 7489228-\$ or US- 6384707-\$ or US- 7280015-\$ or US- 7002441-\$).did. or (US- 6803534-\$ or US- 6621387-\$ or US- 6396368-\$ or US- 6310339-\$ or US- 6794101-\$ or US- 6972650-\$ or US- 6787438-\$ or US- 6100477-\$ or US- 6919784-\$ or US-	US-PGPUB; USPAT	AND	ON	2009/11/29 10:19
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		6376787-\$ or US- 7031137-\$ or US- 5796152-\$ or US- 5029805-\$ or US- 7501920-\$ or US- 6307452-\$ or US- 7411792-\$ or US- 6608268-\$ or US- 5065978-\$ or US- 5058856-\$ or US- 6708491-\$).did.				
S54	6	S53 bimetal	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	AND	ON	2009/11/29 10:19
S55	29	("4556050"   "4736629"   "5058856"   "5140155"   "5295206"   "5475318"   "5536963"   "5626779"   "5635750"   "5659195"   "5796152"   "5810325").PN. OR ("6091050").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/29 11:15
S56	10	S53 "410"	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/29 11:18
S57	4	("5817000"   "6529093"   "6806545"   "6841839").PN. OR ("7420444").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/29 12:03

**EAST Search History (Interference)**

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**11/ 29/ 2009 12:30:31 PM**
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593876 RCE Amendment.wsp**